

**Jigyasa 2019: A National Level Science Model Making Competition and Exhibition,  
Category -1 (Junior Category, Class: 5th to 8th) Finalists**

| Sl No. | Project Code | Project Name  | School Name                             | Participant 1                    | Participant 2    | Guide Teacher            | District          | State       |
|--------|--------------|---|---|----------------------------------|------------------|--------------------------|-------------------|-------------|
| 1      | C1-01        | A Herbal solution an option for STP                   | Vidya Pratishthan English medium school | Ojass Shah                       |                  | Mrs. Sabiyabaig          | Baramati          | Maharashtra |
| 2      | C1-02        | Advanced Alcohol Detection system                     | KLE Dharwad                             | Sagar N Narasannavar             | Arjun H Kapparad | Sangamesh V Pattanshetti | Dharwad           | Karnataka   |
| 3      | C1-03        | Basic surveillance multi functioning robo             | Jain Vidyalaya CBSE                     | Shreyas P Rathod                 | Peetham V Dixith | Rafiya Banu              | Davanagere        | Karnataka   |
| 4      | C1-04        | Candle from Jack fruit Sap                            | Vivekananda english medium school       | Vijith R D                       | Advaith shetty   | Sharadha shetty          | Dakshina kannada  | Karnataka   |
| 5      | C1-05        | Clean up India-motorized wiper                        | Praramabkia school, Balua               | Sapna Kumari                     | Deepak Kumar     | Pankaj Kumar             | Patna             | Bihar       |
| 6      | C1-06        | CNC Writing machine                                   | Jindal Vidyamandir                      | Jay Mishra                       | Krish Agarwal    | Prthiba Karche           | Bellary           | Karnataka   |
| 7      | C1-07        | Converting urine into electricity from public urinals | Kilkari Bihar Balbavan                  | Abhijeet Kumar                   | Shivam Kumar     | Mankumari                | Patna             | Bihar       |
| 8      | C1-08        | Defers Audio Player                                   | Gelakey Jatiya Bidalaya                 | Rabijita Buruah                  | Priya Duarah     | Jultul Dowarah           | Sibasajar         | Assam       |
| 9      | C1-09        | Dissolving Kidney Stones by Natural Method            | KGBV Armour                             | D. Vennela                       | N. Surakshitha   | Sravanthi                | Nizamabad         | Telangana   |
| 10     | C1-10        | Drone   | Vinayak HPS, Nagalapur                  | Sneha                            | Shoba            |                          | Raichur           | Karnataka   |
| 11     | C1-11        | Easy novelty Papad making device                      | Shriniketana school Isalur              | Vibha K Bhat                     |                  | K.L Bhat                 | Uttar kannada     | Karnataka   |
| 12     | C1-12        | Eco friendly speaker                                  | GHPS NO 5 Vadagaon                      | Sanavi Terani                    | Pooja Garag      | Rajendra Bhandari        | Belagavi          | Karnataka   |
| 13     | C1-13        | Energy Efficient Home                                 | Vishwajyot International School         | Abhay Bhosale and Atharva Borate |                  |                          |                   |             |
| 14     | C1-14        | Fertilizer sprayer by air pressure                    | Tunga HS                                | Abhishek R                       | Nandeesh K S     | Prakshappa K             | Shivamogga        | Karnataka   |
| 15     | C1-15        | Future Elevated Ambulance                             | ZPHS. Ellanthakunta                     | MD. Shakil                       | G. Raghu varma   | V. Mahesh Chanrda        | Nizamabad         | Telangana   |
| 16     | C1-16        | Garbage collector                                     | Sudhana Residential School. Puttur      | Dhanvii J                        | Ananya S. Naik   | Rekhamani P              | Dakshhina Kannada | Karnataka   |

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|----|-------|---|--|------------------------------|----------------------------|----------------------------|------------------|-------------|
| 17 | C1-17 | Generation of electricity by foot pressure              | Sri Vishweshwaraiah school ICSE                          | Princy Mahima N S            | Sparsha M P                | Rehana Sultana             | Ballary          | Karnataka   |
| 18 | C1-18 | Earth detector power system for U.P.S and Stabilizer's  | S,M,S English medium school                              |                              |                            | Udbhavi .U. Shetty         | Udupi            | Karnataka   |
| 19 | C1-19 | House flies repellent solution                          | ERA English Medium School                                | Sanika Ganesh Nadpelwar      | Angad Gajanan Rasmudgorwar | Arati Ashish Bhanegaonokar | Yavatmal         | Maharashtra |
| 20 | C1-20 | JSS Shri Manjunatheshwara Central School                | Krypton_01   | Kushal Pawar                 |                            | Sunandha                   | Dharwad          | Karnataka   |
| 21 | C1-21 | L.C.M & H.C.F Calculator                                | Dhanaji Nana Vidyalay, Khiroda , Jalgaon                 | Meghana Sanju Padavi         | Sakshi Vinod Waghulde      | Bharati Bhagawat Badhe     | Jalgaon          | Maharashtra |
| 22 | C1-22 | Life saving fan   | Shardabai Pawar Vidya Niketan                            | Shivanjali Kadam             | Shreya Garad               | Gauri Ganesh Bhasale       | Baramti          | Maharashtra |
| 23 | C1-23 | Magical Hexagon   | Paramita high school Padma nagar, Karim nagar ,Telangana | K , Anudeep                  |                            | Lalit Mohan Sahu           | Karim nagar      | Telangana   |
| 24 | C1-24 | Micro Hydro Generator                                   | Shree Maruthi Residential school                         | Tanmay Naik                  | Soujannya M G              | Shinivas B K               | Uttar kannada    | Karnataka   |
| 25 | C1-25 | Mobile charging by cooker                               | HPS Honnawad   | Sushmitha Walikar            | Basaavaraj Malagaar        | Srinivas                   | Vijayapura       | Karnataka   |
| 26 | C1-26 | Multiple purpose washing machine                        | RGM school   | Ayesha tabasum               | Supriya                    | Srinivas K                 | Sindhanuoor      | Karnataka   |
| 27 | C1-27 | Mosquito Coil   | TSWRS-GIRLS-Armour                                       | Akshya                       | Bhavya                     | Swarnalatha                | Nizamabad        | Telangana   |
| 28 | C1-28 | One way road entry exit restriction system              | Sudhana High school                                      | Haradhik R Naik              |                            | Harshitha Naik K           | Dakshina kannada | Karnataka   |
| 29 | C1-29 | Planned city for 2020                                   | Mothers Public school, BBSK                              | Baishali Mishra              | Shrejani                   | Manoranjan pattnaik        | BBSK             | Odisha      |
| 30 | C1-30 | Plastink :- A novel idea to make ink from plastic waste | Vivekananda english medium school                        | R Sharanu Shashidhar         | Harishith kumar            | Rajshekar B C              | Dakshina kannada | Karnataka   |
| 31 | C1-31 | Portable Homemade filter                                | Shree G K Dholakiya                                      | Swami Vanshika Satyendrapuri | Rathod Devangi             | Apeksha Joshi              | Rajkot           | Gujarat     |
| 32 | C1-32 | Recycling of sewage water and management                | S R Chandak English High School, Sholapur                | Sharwari Sanjay Bhasme       |                            | Sanjay Chandrakant Bhasme  | Solapur          | Maharashtra |

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| 33 | C1-33 | Refused plastic fuel production            | Kendriya vidyalaya                                     | Jayadev Bhanj         | Jerru OmPrakash Reddy | Rajalaxmi Biswal              | Boudha           | Nepal       |
| 34 | C1-34 | Robot                                      | Kalewadi Boys School, Kalewadi                         | Nilesh Pande          |                       | S.M.Pawar                     |                  | Maharashtra |
| 35 | C1-35 | Rocket by Scrap                            | Oxford school, Lasmeshwara                             | Vivek Tiwari          |                       | Random King                   | Gadag            | Karnataka   |
| 36 | C1-36 | Safety and energy saving electric iron box | BRMPC school vidyagiri & Carmel school                 | Riyana Sonali Pinto   | Srajana               | Roshan Pinto                  | Dakshina kannada | Karnataka   |
| 37 | C1-37 | Sea Coastal area saver                     | OOM Srinikethanan English Medium school, Srirangapatna | Prajwal P             | Yashwanth C K         | Shivakumar BP                 | Mandya           | Karnataka   |
| 38 | C1-38 | Small level farming tool                   | Sanklitnagar Primary school                            | Mansuri Rushan        | Salman Bhisti         | Jalalluddin Sulemanbahi vhora | Ahamedabad       | Gujarat     |
| 39 | C1-39 | Smart Dustbin                              | Gandi Vidha mandir sardarshahar                        | Nikita saini          | Jatin soni            | bajaranglal soni              | Rajasthan        | Rajasthan   |
| 40 | C1-40 | Smart dustbin arduino uno                  | Vivekananda Vidyalaya school                           | Rushabha R Karkade    | Nikhil P Patil        | Chittaranjan devulkar         | Pounda           | Goa         |
| 41 | C1-41 | Smart IOT dustbin                          | Shree G K Dholakiya school,Rajkot                      | Davdashyam BharatBhai | Chiteprem K           | Kabir Krishna Praveen Chandra | Rajkot           | Gujarat     |
| 42 | C1-42 | Solar Paint                                | Jain Vidyalaya   | Deeshanth S Jain      | Ronith R              | Veena B                       | Davanagere       | Karnataka   |
| 43 | C1-43 | Solar rotor machine                        | Shivanand bharati school                               | Abhishek N Shivalli   | Kartik H Shirakol     |                               | Dharwad          | Karnataka   |
| 44 | C1-44 | UV sterilize drawer for shop keeper        | Kilkari Bihar Bal Bhavan                               | Uday Kumar            | Sundaram Kumar        | Manjukumari                   | Patna            | Bihar       |
| 45 | C1-45 | Value of Irrational Numbers                | Bassel Mission HS Dharwad                              | Hemanth Godakhind     | Vyasaraj              | Satish G                      | Dharwad          | Karnataka   |
| 46 | C1-46 | Water level indicator                      | BGS residential english medium school                  | Pavan S               | Prajval               | Naveen C                      | Shivamogga       | Karnataka   |
| 47 | C1-47 | Weather monitor system                     | GHPS Sambapura   | Netar Kurubara        |                       | smt S P Nilakanthamatha       | Gadag            | Karnataka   |

**Jigyasa 2019: A National Level Science Model Making Competition and Exhibition,  
Category -2 (Senior Category, Class: 9th to 12th) Finalists**

| Sl No. | Cod ing | Project Name   | School Name                              | Participant 1     | Participant 2    | Guide Teacher          | District      | State         |
|--------|---------|--|--|-------------------|------------------|------------------------|---------------|---------------|
| 1      | C2-01   | A new design of automatic walker it can be helpful of handicap steps up and down | Shree G K Dholakiya high school          | Lalpara Aastha    | Gami Kruti       | Apeksha joshi          | Rajakot       | Gujarat       |
| 2      | C2-02   | A study on efficiency of aqueous extract of Careya arborea bank on wood termites | Sudhana High school                      | Sthuthi M S       | Sandhya Prabhu   | Sadhana Hebbar         | D K           | Karnatak      |
| 3      | C2-03   | Bhagirath-River water trash skimmer  | Amity International school Saket         | Tanmay Goswami    | Pranav Gupta     | Dr. Arun kumar Jha     | South delhi   | Delhi         |
| 4      | C2-04   | Bomb detector and diffusing robot  | SD Sr Sec School Kakrala                 | Sahil             | Deepak           | Rajdev signgh          | Mahendrag har | Uttar Pradesh |
| 5      | C2-05   | Combination of Similarity and trigonometry                                       | Dhanaji Nana Vidyalay khiroda            | Darshan Chaudhari | Smita Ingale     | Bharati badhe          | Jalgon        | Maharashtra   |
| 6      | C2-06   | Decomposition of plastics: Not 900 years only within 90 days                     | Choudiry Bari girls high school          | Amita Basu        | Aparna Sutradhar | Nani Gopal Debnath     | Jirania       | Tripura       |
| 7      | C2-07   | Disaster management  | Sharadabhai Pawar Vidyaniketan school    | Abhilash Taware   | Sayali Khopde    | Roopali Bankar         | Pune          | Maharashtra   |
| 8      | C2-08   | Easy math tricks   | M D Jain inter college Agra              | Ritik Diwakar     | Deepu Diwakar    | Dr Nikhil Jain         | Agra          | Delhi         |
| 9      | C2-09   | Eco bin  | Kittur rani channamma recidencial school | Deepika Baithkol  | -                | Satya narayan Varnekar | UK            | Karnatak      |
| 10     | C2-10   | Effect of colours on reflected light   | JH Ambani school, Lodhival Maharashtra   | Atharva Deshmukh  | Varad Chalmali   | Mrunalini Deshukh      | Raigarh       | Maharashtra   |

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|----|-------|---|--|-------------------------|-------------------------|----------------------|------------|-------------------|
| 11 | C2-11 | Electricity from floor mill   | Kendriya Vidyalay Dharwad                        | Shreyas Pawar           | Shashidhar Kumbar       | Smt Sujata Chavan    | Dharwad    | Karnatak          |
| 12 | C2-12 | Energy from waste materials   | Gvt high school Turuvuhal                        | Basanagouda             | Bheemesh                | Chandrashekar G      | Raichur    | Karnatak          |
| 13 | C2-13 | Gas safety kit  | Sharadabhai Pawar Vidyaniketan school            | Suhani Prakash G        | Shweta Naganath         | Sunil Brambdev Pawal | Pune       | Maharashtra       |
| 14 | C2-14 | Home made gas welding with stove                                    | Bapuji Vidyanikethan school Annigeri             | Shridhar Haldotor       | Yaseen Nadaf            | Vijay Annigeri       | Dharwad    | Karnatak          |
| 15 | C2-15 | I-switch (Intelligence switch)                                      | Shri Saibaba Vidyalaya Samigar Amaravati         | Ayush Bonde             | Pirwanshu Kaithwar      |                      | Guntur     | Andra Pradesh     |
| 16 | C2-16 | Improvised & innovative models for Mathematical problems            | Gvt sr sec. School Ambehra                       | Nandini                 | Shilpa                  | Rakeshkumar          | Una        | Himachala Pradesh |
| 17 | C2-17 | Innovative Duster   | Matushree L G Dholakiya high school              | Kanabar Neha Hiteshbhai | Patel Niyati Sureshbhai | Rakshitbhai Kanjiya  | Rajakot    | Gujarat           |
| 18 | C2-18 | Kantakari (solanum xanthocarpum) natural pesticides for agriculture | Meera nikethan s s school sardarshahar Rajasthan | Neha Saini              | Komal Dharendar         | Indira soni          | Jaipur     | Rajasthan         |
| 19 | C2-19 | Low cost Generator  | ZPHS.Nennel                                      | K. Ajay                 | V. Santhosh             | U. Srinivas          | Mancherial | Telangana         |
| 20 | C2-20 | Microphone with solar speaker (using wifi technique)                | Lt Narendra A Mayekar Gvt high school            | Mehaboob Rangeri        | Sujit Saroj             | Manju M S            | Vasco      | Goa               |
| 21 | C2-21 | Microplastics major-problems  | Dholakiya schools                                | Vishal Lokwani          | Umang Kavaiya           | Charu Goswami        | Rajkot     | Gujarath          |
| 22 | C2-   | Mini HD microscope  | Asnand   | Rathod Rohitkumar       | Rathod Priteshkumar     | Chandrakanthbh       | Surath     | Gujarath          |

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|    | 22    |  | Primary school Asnand                                | Balvantbhai         | Mheshbhai      | ai Solanki           |                 |               |
| 23 | C2-23 | Multinomial theorem                              | D R High school & junior college                     | Dheeraj Rajakumar R | Mayuresh Patil | Sandeep M Maheshwari | Andheri, Mumbai | Maharashtra   |
| 24 | C2-24 | Multipurpose agriculture vehicle                 | Smt Ningamma Hugar primary school, Annigeri          | Prajwal Jadi        | Chetan Giraddi | Sadiq Sayyad         | Dharwad         | Karnatak      |
| 25 | C2-25 | Plasto tile                                      | Shree Maruthi recidencial school Bangaramakk i       | Shrinidhi Pai       | Risha Pinto    | Shrinivasa B K       | U K             | Karnatak      |
| 26 | C2-26 | Plucking and cutting machine of check pea        | SPM Girls high school Ghatanji                       | Prajakta G N        | Khushi N Atar  | Atul Suresh Rao      | Yavatmal        | Maharashtra   |
| 27 | C2-27 | Protecting Living Organisams from fencing shock  | ZPHS. Krisnajiwadi                                   | P. Sai Ram yadav    | Bhavi Prasad   | Girmabhai            | Kamareddy       | Telangana     |
| 28 | C2-28 | Punishing Toilet                                 | Jain Vidyalaya CBSE                                  | Darshan D S         | Aryachanda R M | Shilpa B M           | Davanager e     | Karnatak      |
| 29 | C2-29 | R C Plane  | Feroz Gandhi institute of Engineering and technology | Kshitiz Gupta       | Kashan Ahmad   | Rajendra kumar singh | Raybhareli      | Uttar Pradesh |
| 30 | C2-30 | Re-enforcement of food and road by homemade slab | Prarambhika school Balua                             | Radhe krishna       | Shivani Kumari | Pankaj Kumar         | Patna           | Bihar         |
| 31 | C2-31 | Sensor Railway Rate                              | ZPHS(G) Kamareddy                                    | B. Ramya            | P. Mounika     | Prakash              | Kamareddy       | Telangana     |
| 32 | C2-32 | Simple home made laptop                          | Vaibhav English medium high school                   | Chinmayi Y          | S Joya Taz     | Ganga                | Bellari         | Karnatak      |

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|----|-------|---|--|-----------------------|----------------------------|-----------------------|--------------|-------------|
| 33 | C2-33 | Smart Farm  | Ambika public school, Patas, Daund                       | Mithali Mahesh Phadke | Prathmesh Rajendra Dhavale | Basavraj Koli         | Pune         | Maharashtra |
| 34 | C2-34 | Smart petrol pump   | Adarsh Vidyalay Amboli                                   | Komal K Sutar         | Rutaja Anagale             | Adlinge Vilas Sugreev | Pune         | Maharashtra |
| 35 | C2-35 | Smart Toilet  | Shardabai Pawar Vidyanikatan School Shardanagar Baramati | Avishkar Dalvi        |                            | Chandrakant Jarad     | pine         | Maharashtra |
| 36 | C2-36 | Solar Removal of CO2 from atmosphere  | Buniyadi S S School                                      | Dipika Sharma         | Ramavatar Sawami           | Indira Soni           | Sardarshahar | Rajasthan   |
| 37 | C2-37 | Speed Variable Grinder  | Jain Heritage school                                     | Shubam R Bhat         |                            |                       | Belgum       | Karnatak    |
| 38 | C2-38 | Study of fuel cell for non conventional energy system                           | Gvt Taniya S S school Sardarshahar                       | Deepika Bochiwal      | Mamata Sutar               | Indira soni           | Jaipur       | Rajasthan   |
| 39 | C2-39 | The effect of food grains on electrolyte of water                               | Mohanabai girls high school Digras                       | Sakshi Kale           | Sneha Nile                 | Saheb rao Hatwar      | Yavatmal     | Maharashtra |
| 40 | C2-40 | Train track tracer  | B M Jain inter college                                   | Tushar Singhariya     | Savivekraj D               | Dr Nikhil Jain        | Agra         | Delhi       |
| 41 | C2-41 | Transparent concrete/Light emitting concrete                                    | Kalyan bharati public school Andoor                      | Kavya                 |                            | Angel Suryavamshi     |              | Karnatak    |
| 42 | C2-42 | Trash and kimmer boat   | St Michaels school Ahmedragar                            | Sharwani Getme        |                            | Manjushree Sathe      | Ahmedragar   | Maharashtra |
| 43 | C2-43 | Unique smoke free tower   | M D Jain inter college Agra                              | Mukul Singariya       | Ashutosh Prajapati         | Dr Nikhil Jain        | Agra         | Delhi       |
| 44 | C2-44 | Vertical multi level farming: An affordable and feasible design for agriculture | SVM College Ilkal  | Amaresh Kumbar        | -                          | Yallappa Goudar       | Bagalakot    | Karnatak    |
| 45 | C2-   | Water reusable filter   | Shivaji  | Jayavardhan           | Sreyas Sudhakar            | Suvidha               | Mumbai       | Maharashtra |

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|    | 45    |   | Memorial High school Mumbai                             | Dayanad Keni              | Tavade          | Sudhakar Tavade    |         |           |
| 46 | C2-46 | Zero budget kheti and solar pesticide sprayer and solar rotavator | Gvt SR.SEC. school Faridpur                             | Bhushan                   | Priyanka        | Dr RK garg         | Karnal  | Haryana   |
| 47 | C2-47 | Hybrid power generaation from solar and wind energy               | Shri Manjunathesh wara English Medium School, vidyagiri | Purvi Shanbhag            | Sakshi kulkarni | Kamkshi A sannakki | Dharwad | Karnataka |
| 48 | C2-48 | Smart Gloves for paralysis patient                                | Girls GHS, Basapatna, Gangaavathi                       | Pavithra ShAranappa Reddy |                 | Venaknna           | Koppal  | Karnataka |